

Amendments To The Claims:

Please amend the claims as shown. Applicant reserves the right to pursue any cancelled claims at a later date.

1.-12. (canceled)

13. (new) A method for image refining of digital x-ray images, comprising:
providing an image processing module;
supplying to the image processing module a parameter from a current parameter set;
displaying an associated model image for a standard parameter set by using a stored image data; and
selecting the standard parameter set by selecting the associated model image.

14. (new) The method according to claim 13, further comprising:
selecting a plurality of standard parameter sets, and
creating the current parameter set from the plurality of standard parameter sets.

15. (new) The method according to claim 14, wherein the current parameter set is created by a parameter-specific linear combination of the selected standard parameter sets.

16. (new) The method according to claim 15, wherein the image data for a final image, which is modified in accordance with the associated standard parameter set, is stored for displaying the model image.

17. (new) The method according to claim 14, further comprising storing different parameter sets for different body organs to be examined.

18. (new) The method according to claim 14, further comprising storing different parameter sets for different acquisition projections.

19. (new) The method according to claim 14, further comprising storing different parameter sets for different generator settings.

20. (new) An image refining unit adapted to modify an image data from an x-ray apparatus, comprising:

a memory;

a plurality of standard parameter sets stored in the memory;

a current parameter set selected from the plurality of standard parameter sets;

an image data stored in the memory;

a module controlled by at least one parameter from the plurality of standard parameter sets; and

an associated model image displayed for each of the plurality of standard parameter sets,

wherein a parameter set is selected from the plurality of standard parameter sets via selecting the model image associated to the parameter set.

21. (new) The image refining unit according to claim 20, wherein a plurality of parameters sets are selected and used to create the current parameter set.

22. (new) The image refining unit according to claim 21, wherein a combination module is adapted to calculate the current parameter set from a parameter-specific linear combination of the selected parameter sets.

23. (new) An x-ray apparatus having an x-ray source, and a control and evaluation system, comprising:

an x-ray detector; and

an image refining unit, comprising:

a memory,

a plurality of standard parameter sets stored in the memory,

an image data stored in the memory,

a module controlled by at least one of the plurality of standard parameter sets, and

an associated model image displayed for each of the plurality of standard parameter sets, and

a current parameter set created from at least one of the plurality of standard parameter sets via selecting the model image associated to the respective parameter set.

24. (new) The apparatus according to claim 23, wherein x-ray detector is a solid-state detector having an active readout matrix made of amorphous silicon.